

REMARKS

The claims are claims 1, 2, 4, 6, 7, 10, 12 to 14.

The application has been further amended at many locations to correct minor errors and to present uniform language throughout. The amendments include correction of those errors noted by the Examiner.

Claims 1, 6 and 10 are amended. Claims 3, 5, 8, 9 and 11 are canceled. New claims 12 to 14 are added. Claims 1 and 10 are amended to incorporate some limitations of respective canceled claims 2 and 11. New claims 1 and 10 now recite that the coefficients of each set sum to a normalization value. Claim 6 has been amended to respond to the rejection under 35 U.S.C. 112. New claims 12 and 14 recite that the normalization values sum to an integral power of 2 and that the individual coefficients are integral factors of the normalization value. New claim 13 recites the subject matter of claim 2 except dependent upon apparatus claim 10.

Claims 1 and 10 recite subject matter not anticipated by Brown U.S. Patent No. 5,732,004. Claims 1 and 10 each recite "each set of n coefficients summing to a normalization value." Brown fails to include any teaching of such a normalization value. Accordingly, claims 1 and 10 are allowable over Brown.

Claims 2 and 13 recite subject matter not anticipated by Brown. Claims 2 and 13 each recite the nonlinear curve approximation in said quantized coefficient table is "symmetrical about its centerline." Brown fails to include any teaching about such symmetry. The OFFICE ACTION cites Table 1 of Brown as teaching this symmetry. The Applicants respectfully submit that Brown include two tables 1; a first on column 3; and a second crossing columns 13 and 14. The Applicants respectfully submit that the coefficients in both these tables are not symmetrical

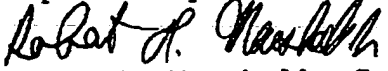
about a center line as required by claims 2 and 13. Accordingly, claims 2 and 13 are allowable over Brown.

Claims 12 and 14 recite subject matter not anticipated by Brown. Claims 12 and 14 each recite the normalization value is an integral power of two and that each coefficient is an integral factor of the normalization value. There is no such teaching in Brown. Accordingly, claims 12 and 14 are allowable over Brown.

The Applicants respectfully submit that all the present claims are allowable for the reasons set forth above. Therefore early reconsideration and advance to issue are respectfully requested.

If the Examiner has any questions or other correspondence regarding this application, Applicants request that the Examiner contact Applicants' attorney at the below listed telephone number and address to facilitate prosecution.

Texas Instruments Incorporated
P.O. Box 655474 M/S 3999
Dallas, Texas 75265
(972) 917-5290
Fax: (972) 917-4418

Respectfully submitted,

Robert D. Marshall, Jr.
Reg. No. 28,527